

## Mauro Fasola

### Curriculum sintetico dell'attività scientifica

(aggiornato maggio 2017)

Mauro Fasola si è laureato in Scienze biologiche nel 1973 presso l'Università di Pavia, e vi ha svolto attività di ricerca e insegnamento continuativamente, ad eccezione di soggiorni presso: *Centro Pirenaico Biologia Experimental*, Spagna (1973), *Department of Zoology, Oxford* (1977), *Station Biologique, Camargue*, Francia (vari periodi dal 1988 al 1996), e semestre sabbatico per ricerche in Yemen nel 2010.

Ha ricoperto i ruoli di Borsista (1973-74), Contrattista (1974-78), Assistente (1978-84), Professore associato (1985-2000), Professore straordinario (2000-2003), Professore ordinario (dal 2003) nel settore Zoologia-BIO05.

Direttore del Dipartimento di Biologia Animale (2000-2006). Presidente del Consiglio Didattico Scienze naturali (2007-2010).

**Ricerche di base.** Hanno incluso ecologia, etologia, zoogeografia ed ecotossicologia, in prevalenza di Vertebrati (uccelli, mammiferi, rettili, anfibi, pesci), di Insetti e di Araneae. Principali argomenti: adattabilità dei comportamenti riproduttivi, selezione sessuale, eco-fisiologia, uso delle risorse ambientali, nicchia, struttura delle comunità, dinamica di popolazione, selezione di habitat, relazioni trofiche, filogeografia, livelli di contaminanti in natura, effetti morfo-fisiologici della contaminazione. Le ricerche sono state condotte in diverse aree di studio dell'Italia settentrionale e in Francia, Spagna, Grecia, Albania, Kenia, Nigeria, Eritrea, Pakistan, Cina, in collaborazione con enti di ricerca locali. I risultati delle ricerche sono compendati in circa 300 pubblicazioni su riviste nazionali e internazionali referenziate, atti di convegni, libri.

Ha partecipato al Progetto Nazionale di Ricerca in Antartide nel 1997-98. E' stato responsabile del programma di ricerca INCO-DC "*Coastal and inland wetlands in China and Pakistan: pollutant levels and effects*" finanziato dall'Unione Europea (1998-2002), e del Programma "Sviluppo e conservazione delle comunità dell'ecosistema del lago Turkana" finanziato dal Ministero Affari Esteri (dal 2003). Dal 2007 partecipa a progetti della Cooperazione Italiana in Yemen e Albania. E' stato membro della Commissione CITES presso il Ministero Agricoltura in rappresentanza dell'Unione Zoologica Italiana dal 2003.

**Ricerca applicata.** Le attività di ricerca applicata alla conservazione e alla gestione ambientale sono state attuate sempre entro Convenzioni tra Enti e Università di Pavia, e hanno incluso: pianificazione venatoria nelle Regioni Lombardia e Piemonte (1978-1980); pianificazione conservazionistica del Parco Valle Ticino (1980-1983); Valutazione d'Impatto Ambientale per opere di regimazione del Po (1980); pianificazione e gestione di 15 Riserve Naturali speciali per la conservazione dei siti delle colonie di Ardeidae, e ricerche sulla biodiversità delle colture risicole (1988-96); pianificazione conservazionistica per le colonie di uccelli acquatici coloniali nel Parco Delta (1993-96); indagine sul rischio di impatto aeromobili-uccelli in aeroporti per la SEA (2001-2002) indagini sulle popolazioni di vertebrati di interesse conservazionistico e gestionale per la Regione Lombardia (1990-2017), e altre indagini applicate per ditte nazionali.

**Informazioni personali.** Durante le attività di ricerca di base e applicata, ha acquisito capacità di lavoro a livello direttivo, in campi multidisciplinari, in contesti internazionali, e in condizioni logistiche e organizzative difficili, in ambienti naturali palustri, desertici e forestali europei, africani e asiatici.

Lingua madre: italiano, buona conoscenza inglese e francese scritti e parlati, conoscenza di base di spagnolo.

## Pubblicazioni 1990 – marzo 2017 su riviste referenziate

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- 44) Fasola M, Saino N. 1990. Mono-dimensional and multi-dimensional niches in a Mediterranean seabirds community. *Avocetta* 14: 37-48.
- 45) Saino N, Fasola M. 1990. Habitat categorization, niche overlap measures and clustering techniques. *Avocetta* 14: 27-36.
- 46) Fasola M, Canova L. 1991. Colony site selection by eight species of gulls and terns breeding in the "Valli di Comacchio" (Italy). *Bollettino Zoologia* 58:261-266.
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- 48) Canova L, Fasola M. 1991. Communities of small mammals in six biotopes of northern Italy. *Acta Teriologica* 36: 73-86.
- 49) Fasola M, Alieri R. 1992. Nitticora *Nycticorax nycticorax*. Garzetta *Egretta garzetta*. Airone cenerino *Ardea cinerea*. Fauna d'Italia. Aves I. Calderini, Bologna. Pp. 144-156, 174-183, 192-201.
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- 51) Hafner H, Fasola M. 1992. Workshop on colonial waterbirds in the Mediterranean: a summary. *Colonial Waterbirds* 15: 159-160.
- 52) Fasola M, Alieri R. 1992. Conservation of heronry sites in North Italian agricultural landscapes. *Biological Conservation* 62: 219-228.
- 53) Fasola M. & Canova L. 1992. Feeding habits of *Triturus vulgaris*, *T. cristatus* and *T. alpestris* (Amphibia, Urodela) in the Northern Apennines (Italy). *Bollettino Zoologia* 59: 273-280.
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- 55) Fasola M, Canova L. 1992. Nest habitat selection by eight syntopic species of Mediterranean gulls and terns. *Colonial Waterbirds* 15: 169-178.
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- 57) Hafner H, Fasola M. 1992. The relationship between feeding habitat and colonially nesting Ardeidae. *International Wildfowl Research Bureau Special Publication no. 20: 194-201.*
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- 59) Bogliani G, Fasola M, Canova L, Saino N. 1992. Foraging rhythm and chick diet in Little Terns in three Adriatic coast wetlands. *Avocetta* 16: 31-34.
- 60) Fasola M, Rosa P, Canova L. 1993. Diets of Squacco Herons, Little Egrets, Night, Purple and Grey Herons, in their Italian breeding range. *Terre Vie* 48: 35-47.
- 61) Fasola M. 1993. Resource partitioning by three species of newts during their aquatic phase. *Ecography* 16: 73-81.
- 62) Canova L, Fasola M. 1993. Food habits and trophic relationships of small mammals in six habitats of the northern Po plain (Italy). *Mammalia* 57: 189-199.
- 63) Fasola M, Barbieri F, Canova L. 1993. Test of an electronic individual tag for newts. *Herpetological Journal* 3: 149-150.
- 64) Fasola M, Canova L. 1993. Diel activity of resident and immigrant waterbirds at Lake Turkana, Kenya. *Ibis* 135: 442-450.

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- 66) Canova L, Fasola M. 1993. Foraging behaviour in a colony of common terns *Sterna hirundo* and the information centre hypothesis. *Bollettino Zoologia* 60: 389-392.
- 67) Saino N, Fasola M. 1993. Egg and nest recognition by two tern species (Sternidae Aves). *Ethology Ecology & Evolution* 5: 467-476.
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